

surface that remains conformable to a skin surface as the tissue interface surface is applied to a surface of the skin;

a fluid passage lumen coupled to the fluid delivery member; and

B1 a thermal energy delivery device coupled to the fluid delivery member in a position to transfer thermal energy to an electrolytic medium that passes through the porous membrane of the fluid delivery member.

13~~34~~ (Twice Amended) An apparatus for applying energy through a skin epidermis surface of an underlying subcutaneous layer or deeper soft tissue layers that includes collagen containing tissue, comprising:

B2 a membrane that conforms a contacting exterior surface of the membrane to the skin epidermis surface;

one or more electrodes positioned in the membrane configured to be coupled to an energy source;

an electrolytic medium positioned in the membrane and coupled to the electrodes to receive energy from the electrodes and transfer energy from the electrodes to the skin epidermis surface; and

a focussing element coupled to the membrane, which creates a reverse thermal gradient from the skin epidermis surface to the collagen containing tissue.

[Please add the following new claim:

15 1/25/02 (New) A skin treatment apparatus, comprising:

with a fluid delivery member a tissue interface surface that remains conformable to a skin surface as the tissue interface surface is applied to a surface of the skin;

a fluid passage lumen coupled to the fluid delivery member;

B3 a cooling fluid lumen coupled to the fluid delivery member; and

a thermal energy delivery device coupled to the fluid delivery member in a position to transfer thermal energy to an electrolytic medium that passes through the fluid delivery member.